

NASIS 6.0 - Where Are We & What's Next?

Southern Region NCSS Conference July 15, 2008 Jim R. Fortner, NSSC

Background

- NASIS originally released in 1994
- UNIX® based with INFORMIX® dbms
- Has had several updates
- Currently at version 5.4



NASIS 6.0

- Converts current functionality of NASIS to Microsoft .NET® and SQL Server® platform
 - Current industry and agency standard
 - –Will facilitate later integration of GIS

- New interface
- Similarities to other Microsoft® applications
 - Rearrange, hide/unhide, and resize columns
 - Sort on any column
 - -Filter data
 - View all rows in any table

- Will be a client based application
 - SQL Server Express[®] on local computer
 - Connected via network to central server
 - Will download subset database to your computer
 - Uses replication processes to keep data in sync with central server
 - Conflict resolution
 - Can disconnect your computer from network to edit data



- Report, query and interp editors are different
 - -Will work like SDM Report Manager
 - Interp editor will auto load subrules, evaluations and property scripts

- Existing reports, queries, rules, evaluations, and properties will be converted
 - Many reports and queries will need revision due to data model changes
 - -Interps should mostly be OK

Data Model Changes

- Revised Soil Survey Schedule schema
 - -Includes Technical Soil Services
 - –New Project data object
- Mapunit tables become separate data object – ownership by map unit

Data Model Changes

- Subaqueous soil proposals
- Mica proposal
- More anthropogenic choices
- Gypsum choices
- Data certification proposal
- National mapunit symbol
- Several minor additions/changes



Data Model Changes

- SSURGO changing edits will be made after 6.0 is released
 - -These impact other applications such as SDM, WSS, Access template, and SDV rules.



Pedon data import

- The process will change
 - -In 6.0, the pedon.mdb file will be converted into SQL Server Express format on your local computer, then saved to NASIS

Training

- Some training will be needed
 - New user interface and processes
 - Paul Finnell plans to update existing training modules
 - Plan to use Live Meeting or Net
 Meeting sessions as much as possible
 - -Record sessions for later playback



Getting Ready

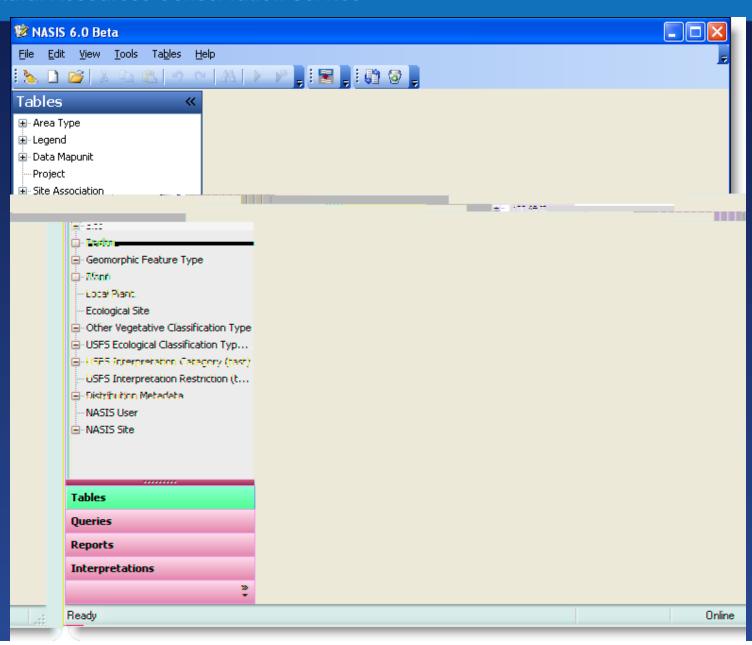
- SQL Server Express[®] will need to be loaded on all computers.
- Some data clean-up
 - Choice list implemented for meridians
 - Names listed in Legend Staff table to be converted to NASIS User names – need to match.
- Guidance will be distributed



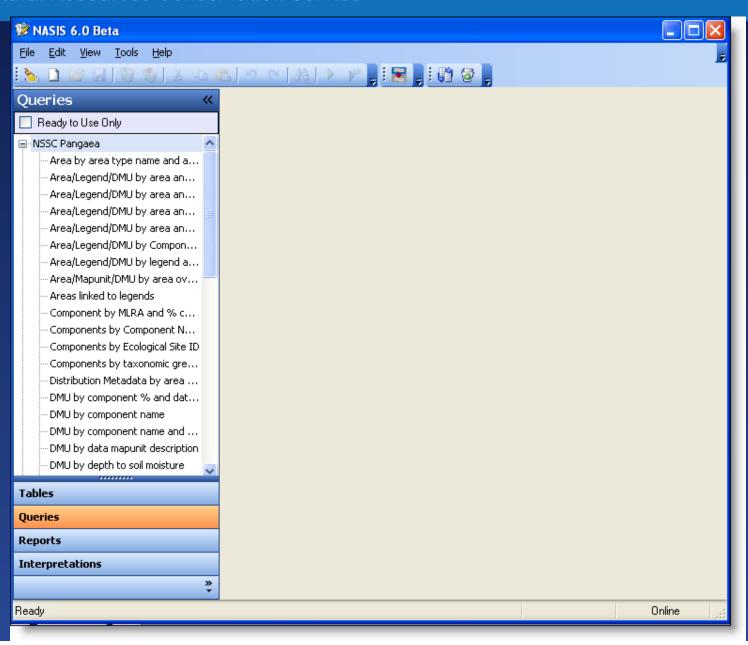
Timeline

- Early testing has begun
- Beta testing Sept/Oct 2008
- Final testing Oct/Nov 2008
- Release 6.0 and convert data –
 Dec 2008

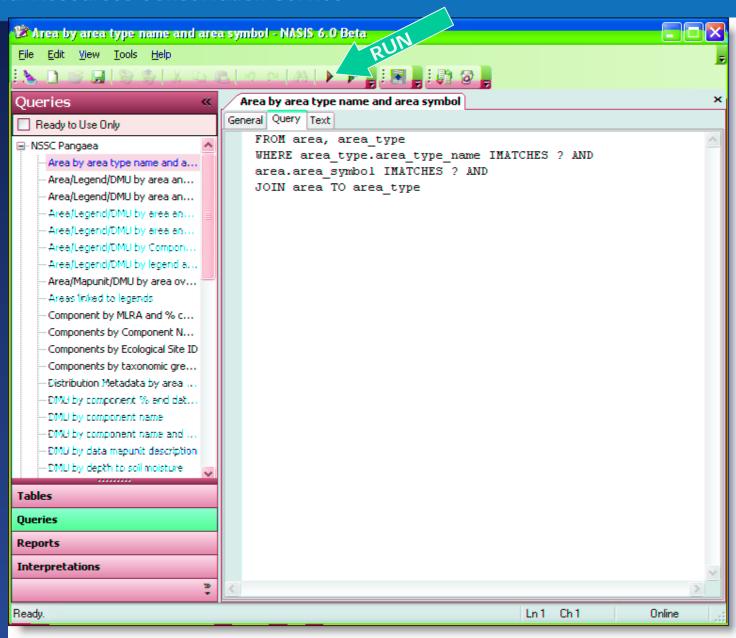




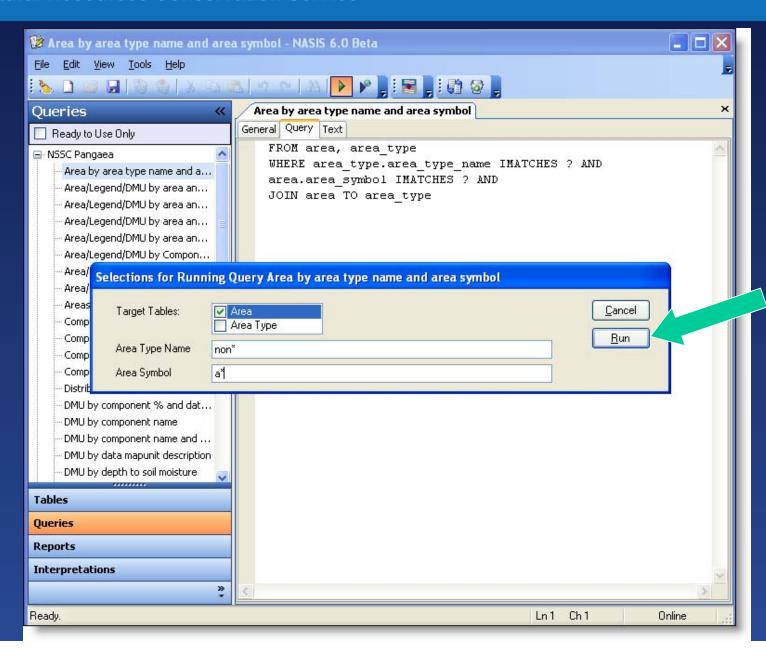




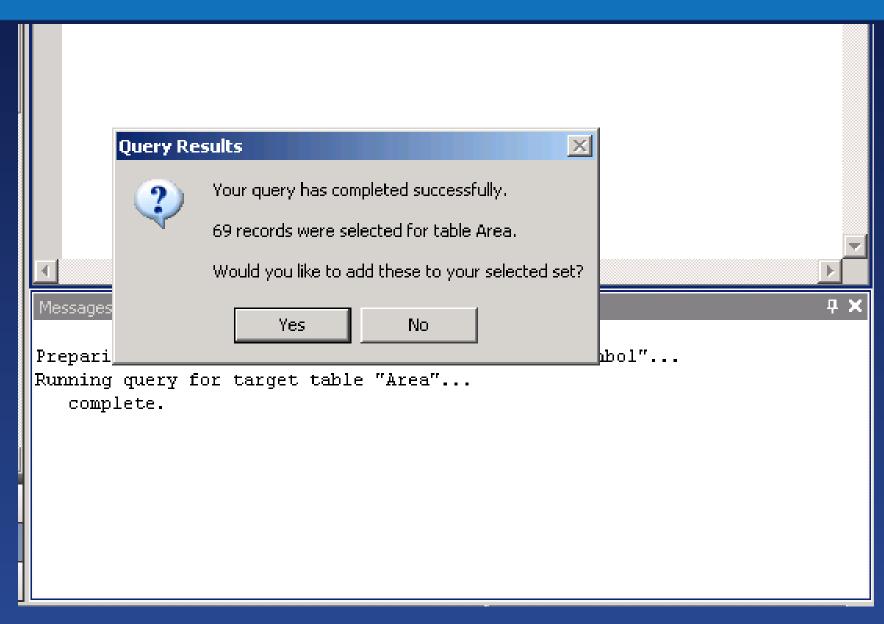














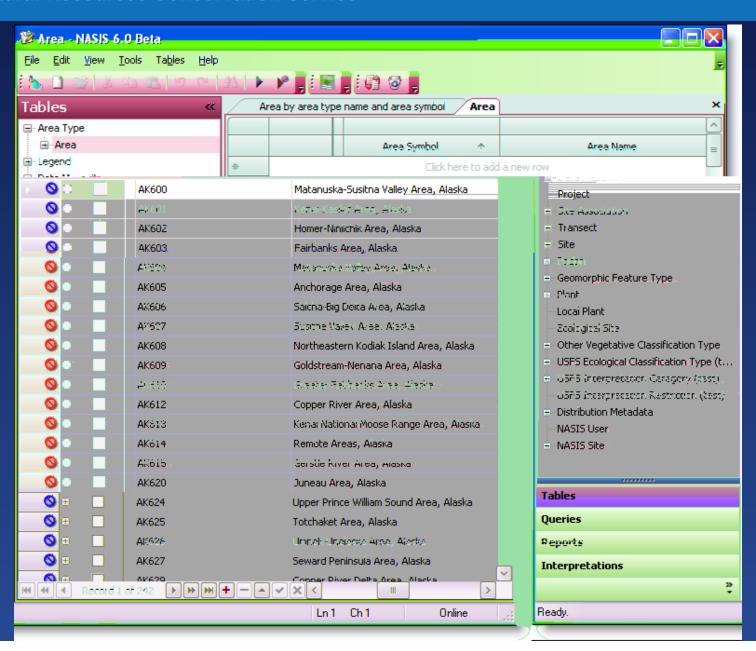
```
Preparing query "Area by area type name and area symbol"...

Running query for target table "Area"...
complete.
Adding results to selected set...
complete.

Done!
Results for target table "Area":
69 records selected by query.
69 records added to selected set.
0 related records added to selected set.
```

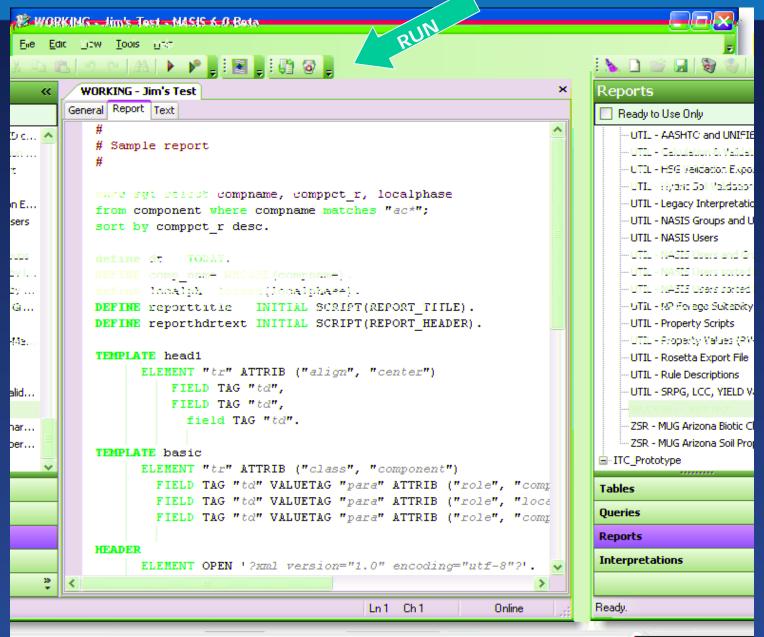
```
Messages
Preparing query "components by component name"...
Running query for target table "Component"...
complete.
Adding results to selected set...
complete.
Done!
Results for target table "Component":
22 records selected by query.
22 records added to selected set.
1236 related records added to selected set.
```



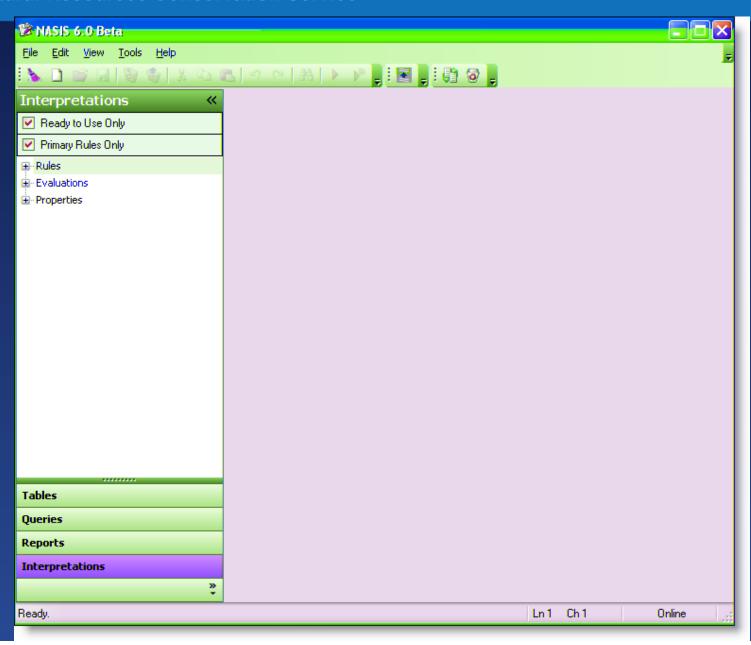




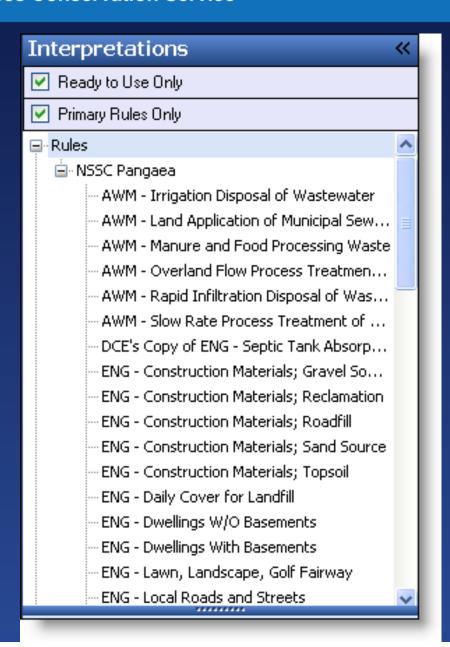














Beyond 6.0

- Content management system
- Import USFS data from Terra
- Form-based data entry
- SSURGO-changing data model changes
- Spatial data integration
- Dynamic soil properties
- Integrated resource inventory system
- Integration of lab data



Web Soil Survey 2.1



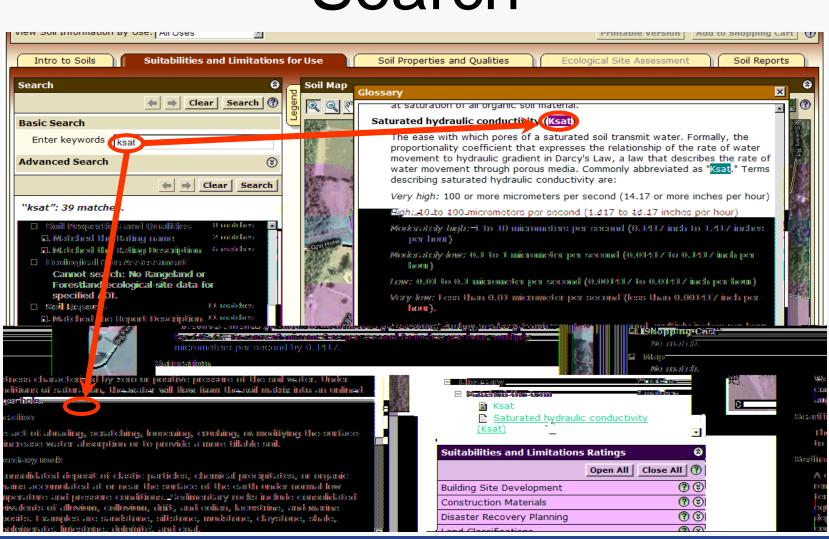
- Beta Test SOON
- Scheduled for release Aug 2008



- Search function
 - Should help new users find desired information
 - -Searches on keywords or phrases



Search

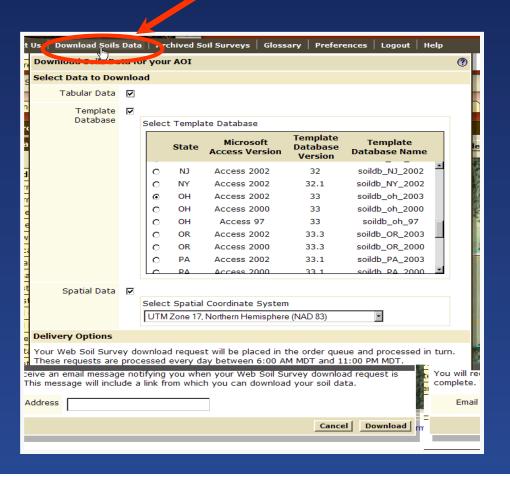




- Clip, zip, & ship
 - -Clips and downloads SSURGO data for the AOI



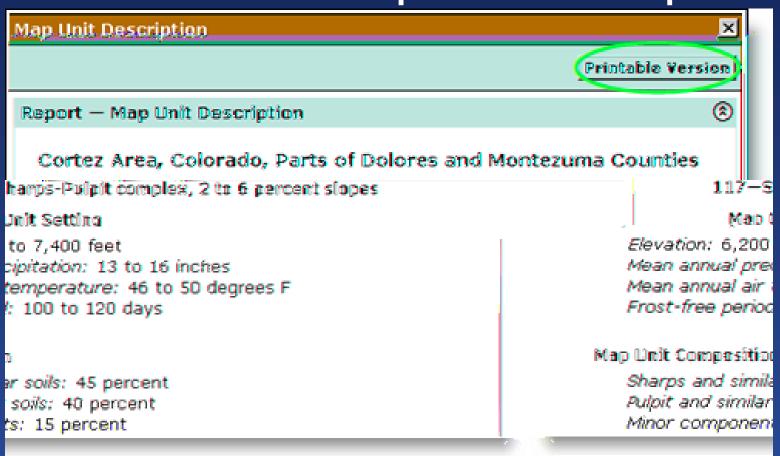
Clip, Zip, and Ship (AOI Data Download)



- Spatial data downloaded in your choice of projection (UTM, State plane, geographic)
- Attribute data
 downloaded for
 import into a
 SSURGO template of
 your choice



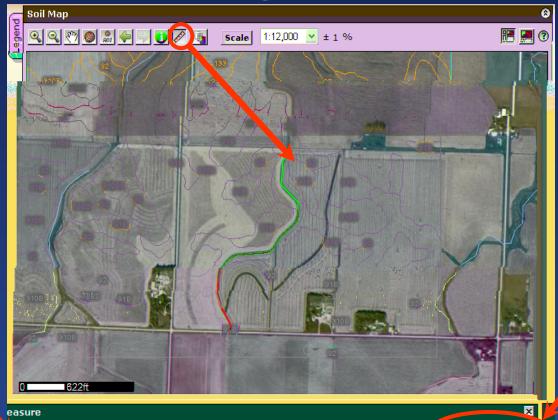
• Print individual map unit descriptions





ament 21: 60 feet

Linear measuring tool



Distance for Multiple Segments and Totals

Metric or English
Dimensions

se Meters/Kilometers

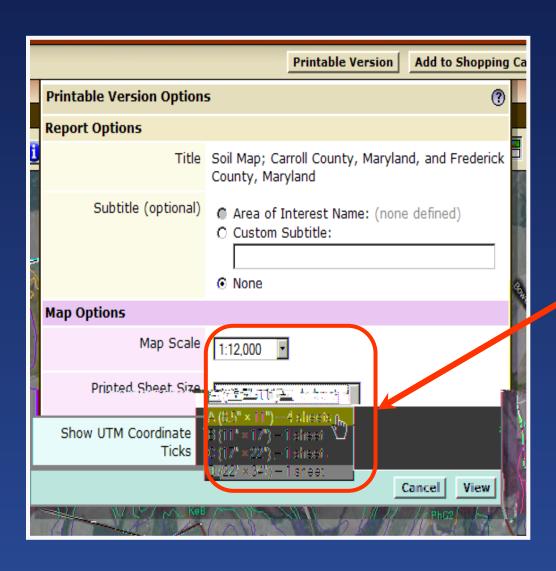


- Improved map unit symbol placement
- Disclaimers added
 - On-site investigation
 - Estimated vs. measured data
 - Maximum scale of maps
- New navigation data layers



- Tiling of printed maps
 - Based on user selected scale and paper size
 - -2x2, 3x3, or 4x4
 - -Includes map index sheet

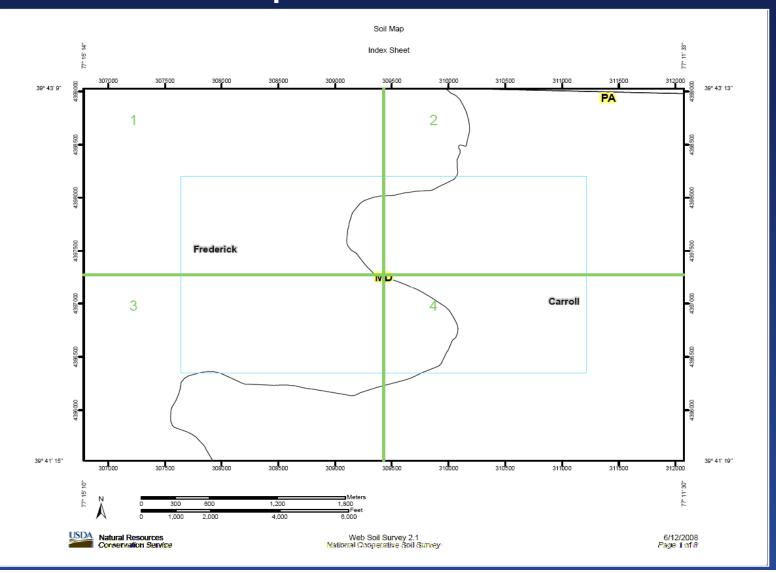




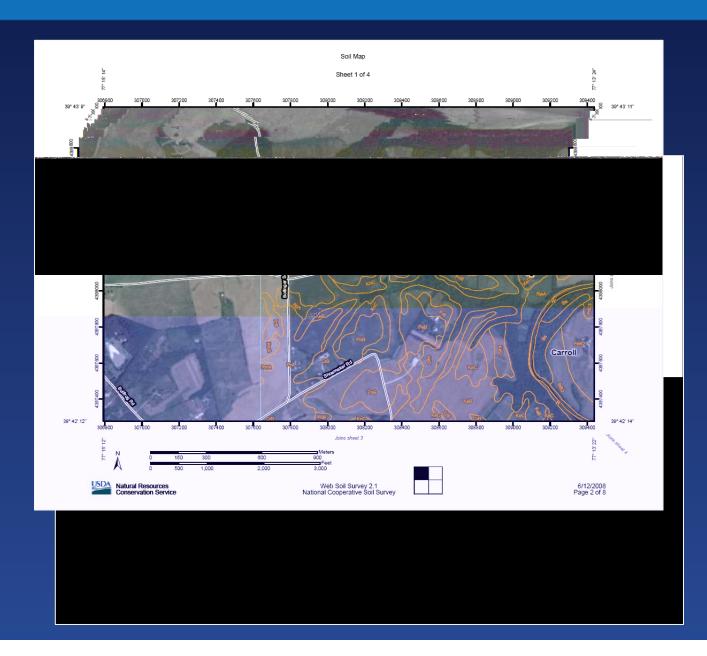
- Scale
- Individual sheet size



Map Index Sheet







Individual Tiled Map Sheets



Wednesday evening

- -Posters in poster session
- -Demos of WSS 2.1 and NASIS 6.0



